

Service on NOAA Boards, Committees, and Projects

Amanda Back

- Coauthored NOAA GLM valuation study in 2020

Hannah Barnes

- Member of the UFS Physics Working Group and the Sub-grid Convection subgroup (2020-Present)
- Member of the 1st UFS Medium-Range Release Team and the Testing sub-team (2019)
- Principal Investigator of NOAA Hurricane Supplemental Project, Award Number NA19OAR0220149 (2019-Present)
- Contributing to a United Forecast System (UFS) Research-to-Operations (R2O) Project on model physics development (2020-Present)
- Contributing to a Weather Program Office (WPO) Precipitation Prediction Grand Challenge Project to improve medium- and long-range forecasts (2020-Present)

DaNa Carlis

- OAR's Cloud Tiger Team (2019-2020)
- OAR's Forecasting a Continuum of Environmental Threats (FACETs) Working Group (2018-2020)
- NOAA's Diversity and Professional Advancement Working Group (20014-Present)
- NOAA Water Initiative (2015-2016)
- NOAA Diversity and Inclusion Toolkit Development Team (2016)
- NOAA Diversity and Inclusion Summit Planning Committee (2015-2016)
- NOAA Senior Executive Summit Planning Committee (2015)
- Cooperative Institutes for the 21st Century Summit (2015)

Susan Cobb

- NOAA Research Communications
- NOAA Boulder Editorial Board

Jeff Duda

- Scholarship application reviewer for Hollings Scholarship

Rob Gonzalez-Pita

- Contributor to the SENA Project

Mark Govett

- NOAA Cloud Committee (NCC)
- NCC Operations Working Group
- NCC Security Working Group
- NCC Implementation Working Group
- NOAA Electronic Data Management Committee (EDMC)
- NOAA Web Committee

Kirk Holub

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- NOAA Web Committee

Michael Kraus

- Chair, Hurricane Analysis and Forecast System (HAFS) and Hurricane Weather Research and Forecast system (HWRF) Developers Committee
- Member, Unified Forecast System (UFS) Hurricane Application Team
- Co-author, NOAA Hurricane Forecast Improvement Project Annual Reports (2018, 2019)
- Served in the 2014–2016 and 2018 NOAA Hurricane Field Programs, using uncrewed aircraft systems (UAS) to observe tropical cyclones
- OAR HQ Committees for re-competition of cooperative institutes

Terra Ladwig

- ODIAC member 2020

Adam Mabrouk

- NOAA Boulder IT Council

Jennifer Mahoney

- Chair for NOAA's HPC Allocation Committee enabling the efficient use of computing resources serving NOAA's forecasting needs

- Co-Chair for the NOAA Research Council's Unified Modeling Committee (UMC) with the goal to plan, monitor, evaluate and improve modeling within NOAA, and in a community effort with external partners
- Management Oversight Board for the Joint Center for Satellite Data Assimilation
- Executive Team for NOAA's Developmental Testbed Center
- NOAA Central Region Team which is one of eight teams representing a network of NOAA employees that are addressing regional challenges, exchanging information, and improving understanding of NOAA's mission

Raffaele Montuoro

- NOAA/EMC representative for air quality applications, Unified Forecast System (UFS) System Architecture & Infrastructure Cross-Cutting Team, 2020-present
- Member, Aerosol and Atmospheric Composition Working Group, NOAA Unified Forecast System (UFS) Strategic Implementation Plan (SIP), 2018-2020

Sylvia Murphy

- Chair of the FACETs Paradigm Working Group (2020)

Scott Nahman

- NWS Source Selection Board Advisor for the WCOS2 Acquisition (Facilities Support); OAR Representative for the OMB Federal Data Center Optimization Initiative.

Daniel Nietfeld

- OAR-NWS Leadership Summit Planning Committee 2021
- Co-PI for two OAR JTTI Grants (Hazard Services FACETs/PHI and WAVE) 2017-present
- Team Leader: National STI Extreme QPF Project 2014-2016
- Co-Investigator for USWRP WRF-Hydro Project (with ESRL/PSD) 2014-2016
- Developed the AWIPS2 Testbed (TOAX) at WFO Omaha 2013-2016
- Active in GOES-R/JPSS Proving Ground (PG) Projects 2009-2016

Melissa Petty

- OAR Cloud Tiger Team
- OAR Diversity and Inclusion Advisory Committee (ODIAC)

Lynd Stringer

- Serves as Project Manager for NOAA's High Impact Weather Prediction Project (HIWPP)

Michael Toy

- Serves on the Developmental Testbed Center (DTC) Science Advisory Board

Bonny Strong

- NGGPS/UFS R2O Verification and Validation committee; Evergreen Group; GSL Cloud Working Group

Xia Sun

- Reviewer for 2020 Hollings and EPP/MSI 2020 Scholarship

Hongli Wang

- "2020-present: PI: Assimilation of Aerosol Optical Depth (AOD) in the CAM-CMAQ Model. Founding source: NOAA.
- 2014-2016 Co-PI: "NOAA's Observing System Experiments and Observing System Simulation Experiments in support of the "Sensing Hazards with Operational Unmanned Technology" (SHOUT) Program - Development and Testing of Sampling Strategies for Unmanned Aerial Systems". Founding source: NOAA.
- 2014-2016 Co-PI: "CIRA Participation in the Establishment of a NOAA Laboratory Activity for Observing System Simulation Experiments (OSSEs)". NOAA.

Kate "Li" Zhang

- Member, Aerosols and Atmospheric Composition Working Group (2019 - present)

Man Zhang

- Co-PI of the Hurricane supplemental project: Implement HWRF physics in FV3 via CCpp: Configure, test and validate for HAFSv0.1 (2019Aug-2021Jul).
 - EMC Hurricane Analysis and Forecasting System (HAFS) real-time experiment weekly discussion and HFIP Biweekly Telecon.
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Service on Federal/Interagency/State Committees

Hannah Barnes

- Member of the UFS Physics Working Group and the Sub-grid Convection subgroup (2020-Present)
- Member of the 1st UFS Medium-Range Release Team and the Testing sub-team (2019)
- Principal Investigator of NOAA Hurricane Supplemental Project, Award Number NA19OAR0220149 (2019-Present)
- Contributing to a United Forecast System (UFS) Research-to-Operations (R2O) Project on model physics development (2020-Present)
- Contributing to a Weather Program Office (WPO) Precipitation Prediction Grand Challenge Project to improve medium- and long-range forecasts (2020-Present)

Ligia Bernardet

- DTC Deputy Director, co-chair of the NCAR-lead Community Earth System Model (CESM) Software Engineer Working Group (SEWG)
- Member of the Unified Forecast System (UFS) Steering Committee
- Member of the UFS Physics Working Group

Jeff Beck

- Lead on the UFS SRW App release team
- Lead of the UFS SRW App code and workflow teams
- UFS-R2O project PI
- WPO/HIWT project PI
- Lead for multiple DTC projects (NOAA side)

DaNa Carlis

- National Windstorm Impact Reduction Program (NWIRP) Interagency Coordination Committee (ICC) (2016-2018)

Mark Govett

- Co-lead the subcommittee on High-Performance Computing under the Earth System Prediction Capability (ESPC) an inter-federal agency working group since 2016
- UFS Committee

Dom Heinzeller

- Co-chair of the UFS System Architecture and Infrastructure Cross-Cutting Team, 2020 - present
- PI for Hurricane Supplemental project 1A-2-2a, Accelerate completion of the architecture and capabilities of the physics Hierarchical Testing Framework (HTF) using the Common Community Physics Package, 2019 - present

Raffaele Montuoro

- Co-chair, Content Standard Committee, Interagency Council for Advancing Meteorological Services (formerly National Earth System Prediction Capability), 2017-present

Hilary Peddicord

- Lead the AQPI Data Implementation Working Group (a combination of NOAA and CSU scientists and California State water agency professionals in Bay Area)

Dave Turner

- Member, DOE ARM Atmospheric Modeling Advisory Group, 2016 – present
 - Principal Investigator, DOE Atmospheric Radiation Measurement (ARM) Program and Atmospheric System Research (ASR) program, 2005 – present
 - Member, NASA Planetary Boundary Layer Survey Team
 - Fellow, University of Oklahoma Cooperative Institute for Mesoscale Meteorological Studies
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Service on International Research Organizations**Michael Kraus**

- 2017-Present - Member, Remote Sensing Subcommittee - ASCE Standards Committee for Wind Speed Estimation in Tornadoes

Terra Ladwig

- Informal Convective Allowing Ensemble Research for Severe Storms Collaboration and Coordination with UK Met Office 2020-current

Sylvia Murphy

- Project manager for The Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) AWIPS development project (2019-present)

Woody Roberts

- Environment Canada/NOAA Bi-lateral Marine Services Project, Co-lead - “Collaborative Tools” thematic area

Dave Turner

- Member, WMO Nowcasting and Mesoscale Research Working Group, 2017 – present
- Member, ACTRIS Data Center External Panel, 2015 – present
- Member, Jülich Observatory for Cloud Evolution (JOYCE) advisory board, 2016 – present
- Member, University of Hohenheim Lan-Atmosphere Feedback Observatory Advisory Board

Zoltan Toth

- Panelist - Deutsche Forschungsgemeinschaft (DFG) Collaborative Research Center, Karlsruhe, Germany

Valery Yudin

- Member of SPARC-WMO working groups (Data Assimilation and Gravity Waves), international model development/intercomparison initiatives participations (COORDMemberE, WMO/WGNE, 2019-20; Whole Atmosphere Model Developments).

Service on Professional Societies and Journals**Amanda Back**

- Session chair for AMS Tropical Meteorology conference in 2020 (that is now 2021 and virtual)

Hannah Barnes

- Reviewer for several AMS and AGU journals

- Student poster judge at the 2017 AMS Annual Conference; Co-chair of the Young Scientists Paper Discussion Group at the Pacific Northwest National Laboratory (2017)

Jeff Beck

- Reviewer for AMS, EGU, and MDPI/Atmosphere journals

DaNa Carlis

- Chair: American Meteorological Society Forecast Improvement Group, 2018-present
- Member: Early Childhood Academy Board of Trustees, 2020-Present

Jeffrey Duda

- Peer reviewer - Monthly Weather Review, Weather and Forecasting, Journal of Hydrometeorology, Advances in Atmospheric Sciences; Poster judge - AMS annual meeting

Jason English

- Reviewer for AGU, AMS journals
- Session co-Chair, AGU WAF/NWP 2018

Bryan Flynt

- Member, AGU
- Served as AGU session convener and chair roles over several years
- Multi-Core Workshop Organizing Committee 3 years running
- Chaired numerous sessions, invited talks, etc.

Rob Gonzalez-Pita

- Associate Editor for Monthly Weather Review (2019-present)
- Associate Editor for Journal of Applied Meteorology and Climatology (2019-present)
- Reviewer
 - Quarterly Journal of the Royal Meteorological Society
 - Monthly Weather Review
 - Geophysical Research Letters
 - Journal of Applied Meteorology and Climatology
 - Weather and Forecasting

- Journal of Climate
- Atmospheric Science Letters
- Journal of Atmospheric and Oceanic Technology
- Advances in Atmospheric Sciences
- Journal of the Meteorological Society of Japan
- Journal of the Atmospheric Sciences

Mark Govett

- Reviewer:
 - Bulletin of AMS, Monthly Weather Review
 - Parallel Computing,
 - Distributed Computing
 - GeoScientific Model Development (GMD)
 - Computers and Geosciences Magazine committees:
 - Organizer for the High-Performance Computing sessions at AMS Annual Meeting
- Organizing committee for the NCAR fine-grain computing workshop (2010-2019)
- External Advisory Panel:
- NCAR Computational and Information Systems Laboratory (CISL)
- EarthWorks - a new cloud-resolving climate model development

Evan Kalina

- Guest Editor, Atmosphere Special Issue on Tropical Cyclones: Observation and Prediction
- Reviewer
 - Aerosol and Air Quality Research
 - Bulletin of the American Meteorological Society
 - Journal of Applied Meteorology and Climatology,
 - Journal of Hydrometeorology
 - Journal of Operational Meteorology
 - Meteorology and Atmospheric Physics
 - Monthly Weather Review
 - Pure and Applied Geophysics
 - Small Business Innovation Research (SBIR) program
 - Transactions on Geoscience and Remote Sensing, and Weather and Forecasting
- Session Chair for 99th American Meteorological Society Annual Meeting

Terra Ladwig

- AMS SLS STAC member
- Reviewer for Weather & Forecasting
- AMS Skype a Scientist Volunteer

Tony Liao

- Serves as Editorial Board Member, Journal of Educational Technology & Society (ET&S)
- Serves as Technical Program Committee, International Conference on Algorithms, Computing and Systems (ICACS)
- Microsoft Certified Systems Engineer (MCSE), Microsoft

Liaofan Lin

- Associate Editor, Weather and Forecasting

Jennifer Mahoney

- AMS Commission on the Weather, Water and Climate Enterprise Steering Committee

Scott Nahman

- 7X24 Exchange Rocky Mountain Chapter Executive Vice President.
<https://7x24rmc.org/>

Daniel Nietfeld

- Chair, AMS Board on Societal Impacts 2015-2018
- Chair, AMS Board for Operational Govt. Meteorologists 2005
- Member, AMS Board for Operational Govt. Meteorologists 1999-2006
- Member, AMS Professional Affairs Committee 2005
- Team Member AMS Ad-Hoc Committee on Uncertainty in Forecasting 2009-2011
- Co-Chair, AMS 7th Symposium on Policy and Socio-economic Research 01/2012
- Co-Chair, AMS IMPACTS 2010 Session, 2011 AMS Annual Mtg. 01/2011
- Co-Chair, AMS AWIPS Symposium 01/2002
- President, Omaha-Offutt AMS Chapter 2006-2007
- Vice President, Omaha-Offutt AMS Chapter 2004-2005
- Vice President, High Plains AMS/NWA Chapter 2000-2001

LinLin Pan

- Acting as the paper reviewer for AMS and AGU journals.

Tanya Peevey

- AMS Local Chapter Affairs Committee, AMS Social Media Team, Evergreen Group, Mentor

Hilary Peddicord

- E Movement - Education Engagement Environment Contributor (Boulder County movement towards outdoor and climate education)

Woody Roberts

- Served as Chair of the American Meteorological Society Board on Environmental Information Processing Technologies; Served on AMS Scientific and Technological Activities Commission (STAC); Serves on Program Committee, AMS Board on Environmental Information Processing Technologies

Keith Searight

- Member, Project Management Institute (Project Management Professional [PMP], Agile Certified Professional [PMI-ACP])

Lynd Stringer

- Serves as an Associate Editor for Weather and Forecasting (American Meteorological Society)
- Serves as a Reviewer for the Quarterly Journal of the Royal Meteorological Society
- Serves as a Reviewer for Monthly Weather Review
- Serves as a Reviewer for Weather and Forecasting

Bonny Strong

- AMS Project Management Institute

Xia Sun

- Journal Reviewer for several journals, including Monthly Weather Review, Atmospheric Environment, Atmospheric Chemistry and Physics etc.

Michael Toy

- Serves as reviewer for the Quarterly Journal of the Royal Meteorological Society; Serves as reviewer for the Journal of Advances in Modeling Earth Systems; Serves as a reviewer for the Monthly Weather Review

Dave Turner

- Panelist - 2018 AMS Student Conference

Jeff VanBuskirk

- Aims Community College – Project Management Instructor, continuing education 2006-2008
- Colorado State University – Project Management Instructor, continuing education 2008-2018
- Member of the 7X24 Exchange Rocky Mountain Chapter
- Focused on educational seminars for those who manage mission-critical facilities

Valery Yudin

- Reviewer of AGU and AMS journals, member of AGU and EGU

Kate Zhang

- Member, Aerosols and Atmospheric Composition Working Group (2019 - present)
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Service to Cooperative Institutes and Universities**Amanda Back**

- CSU hiring committee

Ligia Bernardet

- Science Advisor for CIRES

Jason English

- CIRES Mentor

Jeffrey Duda

- Scholarship reviewer for CU Norlin Scholarship program
- Poster reviewer - UNAR

Mark Govett

- CIRES Mentor

Terra Ladwig

- CIRES Mentor

Scott Nahman

- Chair, Computational Geosciences Program Committee, Texas A&M University, 2015-2017
- Contributed to the Community Earth System Model (CESM) and the Common Infrastructure for Modeling the Earth (CIME) framework by enabling parallel CESM instances for increased throughput of ensemble and data assimilation runs, 2016-17. Feature released with CESM2 (June 2018)
- CIRES Lead for the Global Systems Laboratory (2020 - Present)
- Mentor for the CIRES Mentoring Program (2020)
- Member of the CIRES Career Track Promotion Committee (2019 and 2020)

Bonny Strong

- CIRA liaison

Man Zhang

- Member of CIRES Outstanding Performance Awards Committee and CIRES Members Council

Memberships to Professional Societies

| American Meteorological Society | American Geophysical Union |
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| Curtis Alexander Jeff Beck Amanda Back Hannah Barnes Stan Benjamin (Fellow) Ligia Bernardet John Brown (Fellow) DaNa Carlis Susan Cobb | Amanda Back Hannah Barnes Ligia Bernardet Rainer Bleck Susan Cobb Jason English Mark Govett Hongli Jiang Kevin Manross Linlin Pan |

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| <p> Jeff Duda Jason English Mike Fiorino Mark Govett Ben Green Georg Grell (Fellow) Dom Heinzeller Ming Hu Eric James Isidora Jankov Evan Kalina Jaymes Kenyon Mike Kraus Terra Ladwig Liaofan Lin Jennifer Mahoney Kevin Manross Daniel Nietfeld Joseph Olson Linlin Pan Tanya Peevey Melissa Petty Woody Roberts Paul Schultz Bonny Strong Ed Szoke Zoltan Toth Michael Toy Hongli Wang </p> | <p> Tanya Peevey Jebb Stewart Zoltan Toth Michael Toy Valery Yudin Kate Zhang </p> |
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Earth Science Women's Network

- Amanda Back
- Tanya Peevey

EGU

- Jeff Beck

- Dom Heinzeller
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Cooperative Institute Fellows

- Stan Benjamin - Fellow, Cooperative Institute for Environmental Sciences
 - John Schneider - Fellow, Cooperative Institute for Research in the Atmosphere
 - Dave Turner - Fellow, Cooperative Institute for Mesoscale Meteorological Studies
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Memberships in Other Technical and Scientific Organizations

Scott Nahman

- 7X24 Exchange Rocky Mountain Chapter

Michael Toy

- American Society of Mechanical Engineers

Tanya Peevey

- American Physical Society

Tony Liao

- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- MIET Member, Institution of Engineering and Technology (IET)
- Member, American Geophysical Union
- Member, Oceanographic Society of the Republic of China (Taiwan OSROC)
- Member, Meteorological Society of the Republic of China (Taiwan MSROC)
- Life Member, Information Service Association of Chinese Colleges (Taiwan ISAC)

Bonny Strong

- Institute of Electrical and Electronics Engineers (IEEE)
 - UCAR Software Engineering Assembly
-